| Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| 4.1 & 4.1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs** 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.453 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. Sl. No. 12 Item **No. 4.6 / PWD SR 2016-17** | Cum | | | | | | | |
| Pointing | | 15 | 5.40 | 1.80 | 0.10 | 14.58 | | |
| Ramp | | 15x2 | 5.40 | 1.00 | 0.15 | 24.30 | | |
| Basic Rate | 5441.00 | | | | | **38.88** | 5767.46 | **224239.00** |
| Area Weightage @ 6% | 326.46 | | | | | | | |
| Total | **5767.46** | | | | | | | |
| Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate | Sqm | | | | | | | |
| | | 14x9 | 0.60 | 1.80 | | 136.08 | | |
| Basic Rate | 5125.00 | | | | | **136.08** | 5125.00 | **697410.00** |
| Sub Total | | | | | | | | **1483862.00** |
| Third Party Inspection Charges @ 1% | | | | | | | | **14839.00** |
| Miscellaneous and other Charges | L/S | | | | | | | **1299.00** |
| | | | | | | | **Total** | **1500000.00** |

**Rupees Fifteen Lakh(s) Only**

**CERTIFICATE:**

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2016-17.
3. This work included under 2017-18 POW Grant.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 33

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 12/03
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
12/03

Administrative Approval
Accorded For 15.00 lakhs
Head of A/C P1771
CER.NO AS/393/17-18 13/03/2018

TECHNICAL SANCTION
Accorded For Rs. Fifteen Lakhs only
Head of A/C P-1771
DR. Ref. No. 131 Date 15/03/18
15/03 AE
EE(BTP) 15/03

TA CE (YNK)

# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name of the work: **Estimate for Construction of Culverts in Ward No. 11 (Kuvempunagara), [illegible] Sub Division.**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | **Estimate Cost:** | | **1500000.00** |
| Description | Unit | No. | L | B | D | Qty | Rate | Amount |
| [illegible] 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH chapter 3. **Page No. 142 / [illegible] / PWD SR 2016-17** | Cum | | | | | | | |
| Culvert | | 15 | 5.40 | 2.00 | 1.05 | 170.10 | | |
| Basic Rate | 82.00 | | | | | **170.10** | 199.36 | **33912.00** |
| Add: loading and unloading Charges **It No 17.1 [illegible]** | 68.00 | | | | | | | |
| Average weight of earth 1.28 tonne / kg for 11.90 Km = [illegible] 90Km X 2.5 Tonne / km = 38.08 | 38.08 | | | | | | | |
| | **188.08** | | | | | | | |
| Area Weightage @ 6% | 11.28 | | | | | | | |
| **Total** | **199.36** | | | | | | | |
| [illegible] 4113 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ [illegible] kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, hire of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / [illegible] PWD SR 2016-17** | Cum | | | | | | | |
| Bottom Concrete | | 15 | 5.40 | 2.00 | 0.15 | 24.30 | | |
| Basic Rate | 4867.00 | | | | | **24.30** | 5159.02 | **125364.00** |
| Area Weightage @ 6% | 292.02 | | | | | | | |
| Total | **5159.02** | | | | | | | |
| [illegible] Providing and constructing granite / trap / basalt rubble masonry in **foundation with cement mortar** 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. [illegible] / PWD SR 2016-17** | Cum | | | | | | | |
| | | 15x2 | 5.40 | 0.60 | 0.90 | 87.48 | | |
| Basic Rate | 4187.00 | | | | | **87.48** | 4438.22 | **388255.00** |
| Area Weightage @ 6% | 251.22 | | | | | | | |
| Total | **4438.22** | | | | | | | |
| [illegible] Providing flush pointing to square rubble, coursed or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. [illegible] 15.2 / PWD SR 2016-17** | Sqm | | | | | | | |
| | | 15x2 | 5.40 | | 0.90 | 145.80 | | |
| Basic Rate | 95.00 | | | | | **145.80** | 100.70 | **14682.00** |
| Area Weightage @ 6% | 5.70 | | | | | | | |
| Total | **100.70** | | | | | | | |